ANTONIO MENARDE

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Education (Class of 2019)

University of Pennsylvania Jerome Fisher Program in Management and Technology

- GPA 3.84 / 4.0 — Dean's List
- B.S. in Engineering — Systems Engineering; *SEAS*
- B.S. in Economics — Operations, Information, and Decisions; *the Wharton School*
- Minor — Mathematics, Computer and Information Science

Archimedean Upper Conservatory

- Rank: 1/49 — Best Overall Performance Award, MITE, *University of Michigan*
- SAT: 2320, ACT: 35 — 9th Place at Science Olympiad Nationals (Tech. Prob. Solving)
- National AP Scholar — Competed in FIRST Robotics Competition and Mu Alpha Theta

Skills

Languages: Java, Python, C++, OCaml
Web: HTML, CSS, JQuery
Software: Matlab, Microsoft Suite, Illustrator, Git, Bash
Hardware: Arduino, Raspberry Pi

Experience

Product Design Intern, *Gridless Power (2016)*
- Built software and related hardware that vastly simplified and sped up a major bottleneck in production for the company.
- Helped create test environments for the development of ongoing projects.

Balloon Team Lead & Creative Officer, *Penn Aerospace Club (2015 – Present)*
- Organizes weekly team activities; handles launch logistics; manages flight code base; directs growth and recruitment for the team
- Develops print materials and other visual resources for club.

Bioinformatics Intern, *University of Miami Miller School of Medicine (2014)*
- Ran genome-wide association studies to look for trends between disease and genes.
- Organized genetic data from 50GB+ files and ran statistics on data in Perl and C, for largest Alzheimer's study to date.

School Volunteer, *Big Brothers Big Sisters of Pennsylvania (2015 – Present)*
- Visits an elementary school weekly to mentor children raised in or living in unfavorable conditions.

Co-Founder, *STEMulated Youth (2013 – 2015)*
- Founded a Miami-based community venture that excited Miami's youth about STEM.
- Hosted presentations and hands-on workshops with Miami's youth.

Featured Projects (devpost.com/amenarde)

Code Bud: A hardware-based virtual pet that helps students stay focused and healthy
Exhaust: A challenging and exciting arcade-style space gravity game
Wearcast: A wall mounted weather display and closet manager that tells you what to wear